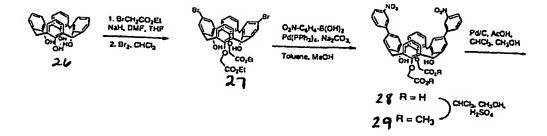
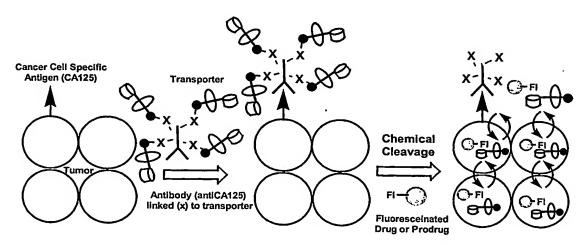
Synthesis of Derivatized Crown Ethers			
Cmpd	Reagent	R	yield
12a BC	DP, N-Ac-ArgOH, DIEA, DMF	NILAS NH NH;	50%
126 (1)	0_0_0 . Ei,N (2) HCI	1 Lon	78%
12 L CD	il, (Boc) _j ArgOH, CHCI _j , refbix	MINIBOG NAH NAHDRO	55%
12d co), Ac(lies) ₂ Ar _D OH, CHCl ₃ , rollus	hinas mi humes	ത്ഷ
128(CF)	(CO)¿O, pyradrze, CH¿Cly	Pcr,	T0%
12, From	o 4 (Dos) ₂ O, H ₂ , P&C, DMF	180+	50%

Figure 3



09%

FIGURE 9



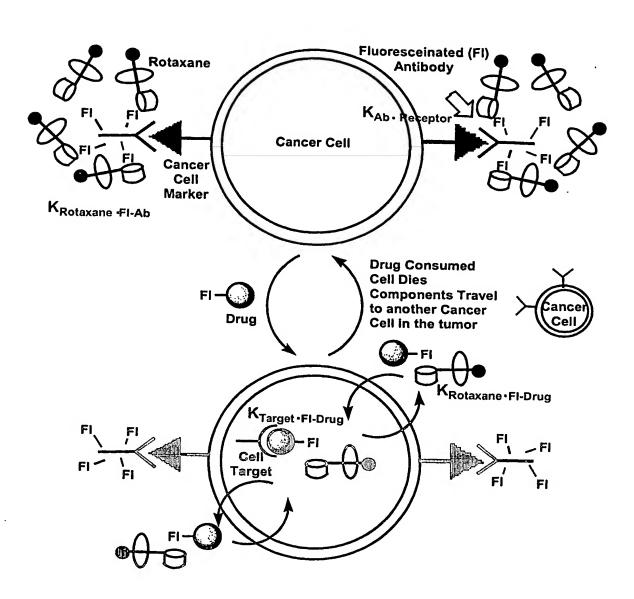


FIGURE 10

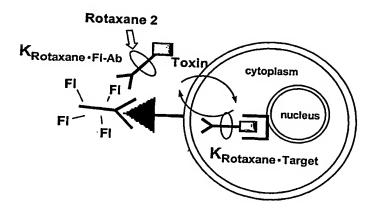


FIGURE 11

Transporter Covalent Bond

1. stable enough to synthesize the conjugate

2. breaks after the antibody binds the tumor

3. best to have a triggering mechanism (light or pH)

will be derivatized with Z
 still needs to be a transporter
 prefer the tumor over serum
 not toxic once cancer cells are killed

FIGURE 12

o, m, or p disubstituted ring X can be C, N, O

FIGURE 13

Figure 14.

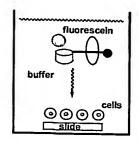


FIGURE 15

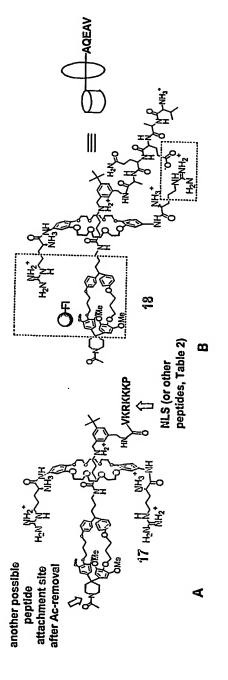


Figure 16.

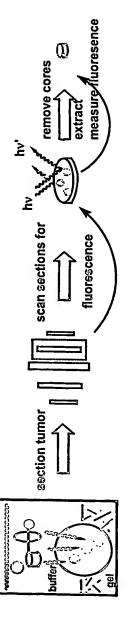


Figure 17.

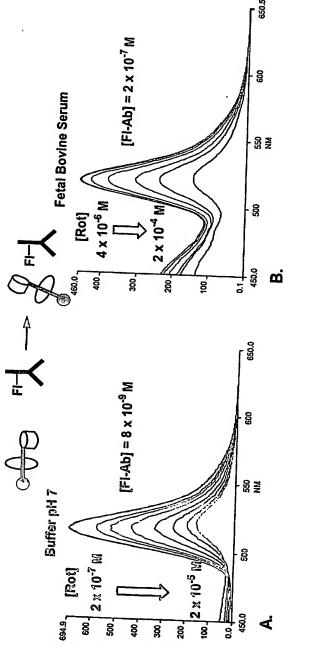


Figure 18.

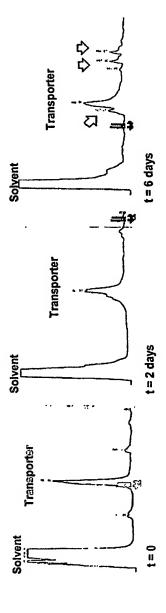


Figure 19.

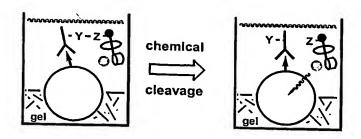


Figure 20.

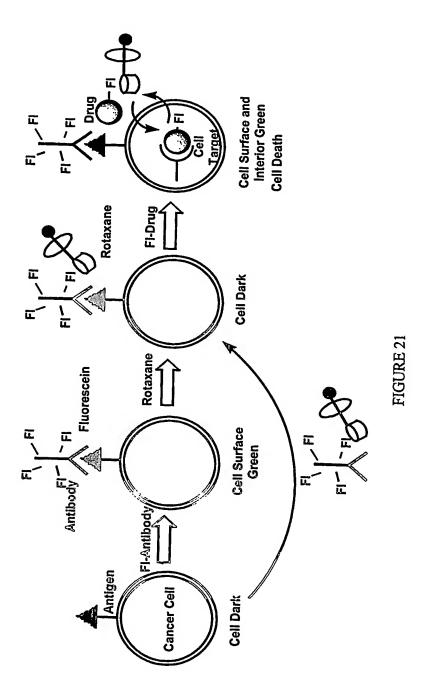


Figure 22.

Figure 24.

Figure 25.

Figure 27.

Figure 29.